

F90-4K13

11,800 lumens, 4K UHD, DLP laser phosphor projector



- **Razor-sharp 4K images**
- **Ultimate installation flexibility, 24/7 operation**
- **Increased uptime, reduced costs**

The stunning image quality and laser phosphor light source of Barco's F90 projectors enable you to provide exceptional experiences while saving both time and money. Designed for installation in everything from high demanding visitor attractions to simulation applications that require 24/7 operation, the reliable F90 4K13 is equally suited for events, retail and advertising as well as boardrooms and auditoriums. Thanks to its 3D functionality, the projector is also perfectly fit for theme park dark rides and interactive experiences.

Superior image quality

The F90-4K13 delivers razor-sharp images at 4K UHD resolution with a high level of detail, and highly saturated colors that meet the Rec. 709 color space. Featuring an advanced optical design, this reliable projector provides a constant light output, for long-term, worry-free operation.

Unprecedented business value

The F90-4K13 projector enables you to increase uptime while driving costs down. Through its laser-phosphor light source and advanced cooling design, it provides up to 40,000 hours operating time without need for lamp changes -resulting in considerable cost-savings on maintenance and consumables.

Ultimate installation flexibility

This projector can run in any orientation, giving you more flexibility in projector location and orientation. Thanks to its wide array of high-resolution FLD and FLD+ lenses – from ultra-short throw (0.3:1) to long throw (9.75:1) – each providing a wide lens shift range, the F90-4K13 accommodates almost any projector configuration.

Product specificaties**F90-4K13****General specifications**

Type projector	Single chip DLP laser phosphor projector
Resolutie	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (WQXGA native)
Helderheid	11,700 center lumens*
	10,500 ANSI lumens*
	11,800 ISO lumens*
Contrastverhouding	1,800:1 sequential, 10,000:1 dynamic*
Helderheidsuniformiteit	90%
Beeldverhouding	16:10
Type lens	FLD+
Optische lensverschuiving	Up to 146% lens shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift, iris and shutter.
Kleurcorrectie	P7 RealColor™
CLU (constante lichtuitvoer)	Yes**
Lichtbron	Laser phosphor
Levensduur lichtbron	Up to 60,000 hours, depending on mode of operation
Verzegelde DLP™-kern	Yes
Oriëntatie	360° rotation, no restrictions
3D	Active stereoscopic 3D
Beeldverwerking	Embedded warp & blend engine
Trapeziumcorrectie	Yes
Ingangen	HDSDI, 2x DP, 2x dual link DVI-D, HDBaseT, HDMI 2.0*, RJ 45 Ethernet, DMX in/out*, RS232 in, 2x USB, 12v out
Invoerresoluties	Up to 4K UHD @ 60Hz / Up to 2,560 x 1,600 @ 120Hz refresh rates: 24Hz to 120Hz for WQXGA (2560x1600) and 24Hz to 60Hz for 4K/4KUHD (4096 x 2160/ 3860 x 2400)
Softwaretools	Projector Toolset
Conrole	IR, RS232, RJ45, XLR wired
Netwerkverbinding	10/100 Ethernet, RJ45
Voedingsvereisten	110-240V / 50-60Hz
Energieverbruik	1500 W nominal, 2180 W maximum
BTU/uur	5100 BTU/h nominal, 7430 BTU/h maximum
Stroom in stand-by	
Geluidsniveau (standaard bij 25°C/77°F)	38 dB(A)
Bedrijfstemperatuur	10 -45 °C (sea level)
Opslagtemperatuur	-20 to 60 °C
Vochtigheid in bedrijf	20 -80% RH
Vochtigheid bij opslag	10 -90% RH
Afmetingen (B x L x H)	575 x 730 x 295 mm / 22.64 x 28.74 x 11.61 in
Gewicht	44.5 kg / 98.1 lbs
Standaardaccessoires	Power cord, wireless remote control
Certificeringen	CE, FCC Class A, cNemkoUS, CCC, EAC, KSA, KCC, RCM, UkrSEPRO
Garantie	Limited 3 years parts and labor. Extendable up to 5 years
Altijd beschikbare documentatie	This projector is designed and warranted for heavy duty 24/7 operation. Specific measures and design considerations have been made in order for it to comply with stringent requirements in challenging applications.
Opmerkingen	* When measured with the FLD+ 1.7-2.5:1 (R9801216) on-axis and in Wide Angle position
	** SW upgradable. Please contact an authorized Barco representative for details.
	*** When used in long-life mode, available through SW upgrade

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